SIDOCHENKO, T., kand. geograf. nauk; UR'YEVA, B.R.

Weather forecast for the U.S.S.R. in October 1965. Meteor. i gidrol. no.10:insert 1-4 O '65. (MIRA 18:9)

1. TSentral'nyy institut prognozov.

L 09155-67 EWT(m)/EWP(t)/ETI IJP(c) JD/HW/JG

ACC NR: AP6032055 (N) SOURCE CODE: UR/0148/66/000/009/0158/0161

AUTHOR: Yusfina, L. I.; Minkevich, A. N.; Rastorguyev, L. N.; Sidokhina, N. B. 34

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov) 33

TITLE: Producing nickel boride and cobalt boride layers on iron 27 27 27 14

SOURCE: IVUZ. Chernaya metallurgiya, no. 9, 1966, 158-161

TOPIC TAGS: nickel compound, cobalt compound, x ray diffraction analysis, microhardening, boride

ABSTRACT: The authors plated the surfaces of Armco iron specimens with a 70-100 μ thick layer of nickel and cobalt. These specimens were tested for 1-6 hours at 950°C in a bath composed of 60% molten borax and 40% carbide or in a melt of borax using electrolysis. A thick boride layer was formed on all specimens which went through the first bath under all processing conditions. The thickness of the boride layer increases with time of treatment. After holding from 1 to 3 hours, the nickel boride layer still consists of one zone. After 4 hours of holding, two zones appear in the layer. X-ray diffraction analysis shows that these zones correspond to NI_3B_2 and Ni_2B. This process is much quicker in the case of electrolytic plating. The intermediate layer cannot be observed after 3 hours of holding. A figure is given showing the microhardness of all the phases formed in the surface layers. A study of the boride layer shows an acicular microstructure. The length of the boride needles

Card 1/2 UDC: 669.18:621.785:53

L 09133-67
ACC NR: AP6032055

varies, and in some places they pierce both the cobalt layer and the iron. X-ray diffraction analysis shows that the cobalt content at the surface is 91-92% in those places where the boride needles do not penetrate the iron. Cobalt concentration approaches 100% at a given distance from the surface and then decreases sharply. This shows that cobalt penetrates iron to a depth of 10 μ which cannot be observed in studying microstructure or microhardness. A completely different picture is seen where the needles penetrate the entire cobalt layer. The microhardness of these needles varies along their entire length. At the surface their microhardness is from 1250-1580 kg/mm^2 and 1680-2050 kg/mm^2 at their ends. Iron content at the ends of the needles reaches 92-88%. At the same time, cobalt content in these places is only 10-2%. As can be seen, the boride needles which penetrate the iron mainly represent boride with admixtures of cobalt and iron. Iron content diminishes in the boride toward the surface, the needles consisting basically of Co_2B. On the other hand, Fe_2B is found in the specimens in the center layer. Orig. art. has: 5 figures.

SUB CODE: 11/ SUBM DATE: 15Feb66/ ORIG REF: 005/ OTH REF: 001

Card 2/2 uot

I

Country : RUMANIA
Category : Chemical Technology. Chemical Products (Part 4). Leather. Fur. Gelatin. Tanning Materials. Industrial Proteins
Abs. Jour. : Ref Zhur-Khim., 1959, No 7, 25929

Author : Simon, A.
Institut. : --
Title : Masking Reactions in the Process of Reduction of Bichromate with Glucose

Orig. Pub. : II-a Conf. tehn.-stiint. a ind. usoare. Piele.-Cauciuc.-Stiela, [Bucuresti], ASIT, 1957, 98-103

Abstract : In the process of reduction of sodium bichromate
(SB) with glucose in the presence of concentra-
ted sulfuric acid, depending upon the condition
of reduction, there are also formed organic acids
(formic and oxalic) which, entering into a chro-
mium complex, improve the process of tanning and
the quality of the hide. Examined were the fol-
lowing factors affecting the process of reduction
of SB and the formation of organic acids: the
quality of sugar, the amount of H_2SO_4, the con-

Card: 1/2

H-168

HAVAS, Gheorghe, ing., Laureat al Premiului de Stat; MINCULESCU, Aristotel, ing.
SIDON, Andrei, Laureat al Premiului de Stat

Elaboration of a technological process for the production of box calf with rectified right side by means of bovine leather over 25 kg. Industria Usoara 8 no.2:42-46 F '61.

SIDON, Andrei, laureat al Premiului de Stat

Bovine hide liming. Industria usoara 9 no.10:434-436 O '62.

SIDON, Andrei, laureat al Premiului de Stat

Dry-warm tannage of upper leather with chrome salts. Industria usoara 10 no.3:88-91 Mr '63.

SIDON, Andrei, laureat al Premiului de Stat

Method of tanning sole leather with chromium-tannin-syntan. Industria usoara 11 no.2:57-59 F 64.

Sidon, S.

3000

Sidon, S. Über orthogonale Entwicklungen. Acta Univ. Szeged. Sect. Sci. Math. 10, 206–253 (1943). [MF 16748]

This is a posthumous paper edited by G. Grünwald and P. Turán. It consists of four parts which can be read independently of each other. There are also two appendices containing miscellaneous results.

Part I contains extensions of the author's classical theorem to the effect that, if $\sum(a_\nu \cos n_\nu x + b_\nu \sin n_\nu x)$, $n_{\nu+1}/n_\nu > q > 1$, is the Fourier series of an integrable function bounded on one side, then $\sum(|a_\nu| + |b_\nu|) < \infty$. These extensions are not easy to state because of their specialized character.

The principal result of part II is the following. If $|\varphi_n(x)|$ is an orthonormal system on (a, b) such that $0 < m < |\varphi_n(x)| < M$ for $n = 1, 2, \cdots$ and $a \leqq x \leqq b$, then there exists a sequence of indices $n_1 < n_2 < \cdots$ such that for every null sequence ϵ_k an integrable function $f(x)$ can be found such that

$$\int_a^x f(x)\varphi_{n_k}(x)dx = \epsilon_k, \qquad k = 1, 2, \cdots.$$

[For a similar result see J. Marcinkiewicz, Studia Math. 8, 1–27 (1939).]

The results of part III are typified by the following theorem. Let $\{n_k\}$ be a B_l sequence of integers (that is, the number of solutions of $n_{i_1} + n_{i_2} + \cdots + n_{i_q} = N$ is bounded by a number l independent of N); let

$$f(x) \in L_s, \qquad s = lq/(lq-1), \quad q > 2,$$

and let $f(x) \sim \sum(a_\nu \cos \nu x + b_\nu \sin \nu x)$. Then

$$\sum(|a_{n_k}|^q + |b_{n_k}|^q) < \infty.$$

Part IV contains several theorems concerning Walsh series. As an example we may mention that there exists a Walsh series $\sum_0^\infty c_\nu \psi_\nu(x)$ such that $\limsup c_\nu > 0$ and $\int_0^1 |\sum_0^n c_\nu \psi_\nu(x)|\,dx = O(1)$. It should also be mentioned that this paper rectifies various omissions and minor errors in some of the author's previous papers. *M. Kac.*

Source: Mathematical Reviews, Vol 8, No. 3

VILYUNOV, V.N., SIDONSKIY, O.B.

On the theory of the inflammation of condensed systems by an incandescent surface. Dokl. AN SSSR 152 no.1:131-133 S '63.
(MIRA 16:9)

1. Sibirskiy fiziko-tekhnicheskiy institut Tomskogo gosudarstvennogo universiteta im. V.V.Kuybysheva. Predstalveno akademikom Ya.B.Zel'dovichem.
(Combustion) (Fuel)

L 22786-66 EWT(1)/EWT(m) IJP(c) WW/JWD/GG

ACC NR: AP6011502 SOURCE CODE: UR/0414/65/000/004/0039/0043

59
B

AUTHOR: Vilyunov, V. N. (Tomsk); Sidonskiy, O. B. (Tomsk)

ORG: none

TITLE: The problem of igniting condensed systems with radiation energy

SOURCE: Fizika goreniya i vzryva, no. 4, 1965, 39-43

TOPIC TAGS: solid propellant, propellant, combustion, combustion instability

ABSTRACT: The ignition of a solid propellant induced by light irradiation was analyzed using a simple propellant model. It was assumed that a constant light flux incident on the propellant surface accelerates the chemical reaction which leads to heating of the surface layers; after expiration of a certain period, the light irradiation is stopped and an adiabatic induction period starts; after the induction period, the propellant either ignites or is extinguished depending on the surface temperature. Analysis of the temperature variation under these conditions yielded temperature vs. time curves for various propellant parameters. The curves show either extinction or transition to normal combustion. An interesting result of the analysis was that the burning velocity during transition to normal combustion fluctuates with damped oscillations. Two formulas for calculating the induction period were derived. Orig. art. has: 4 figures and 8 formulas. [PV]

SUB CODE: 21/ SUBM DATE: 05Jun65/ ORIG REF: 007/ ATD PRESS: 4229

Card 1/1 lda

SIDONTSEV, L.N., inzh.

Moisture of the upper soil layer as an indicator of mapping possibilities for drainage systems. Nauch. trudy KOMS no.1:84-92 '59. (MIRA 15:1)

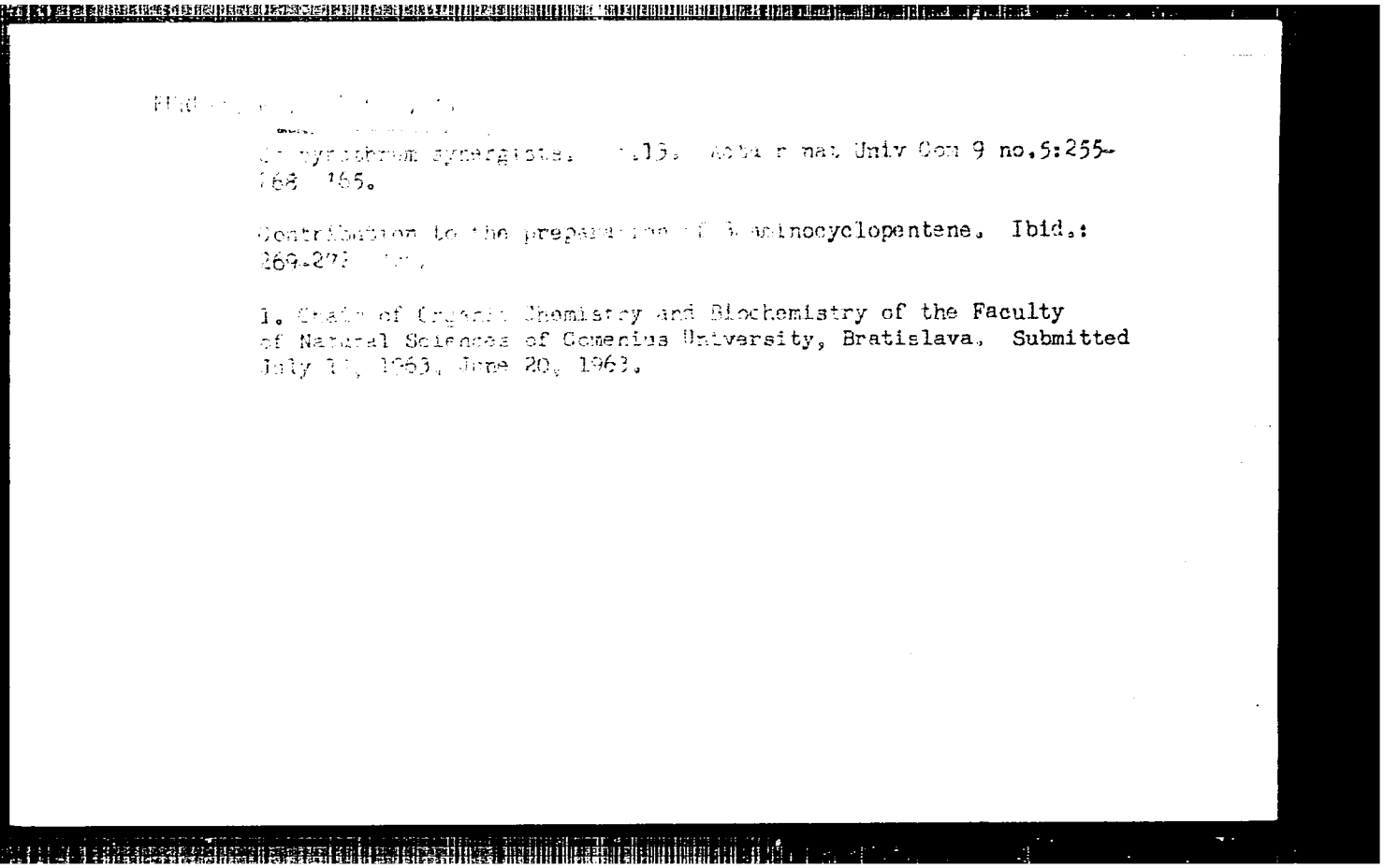
(Soil moisture) (Photographic interpretation)

SIDORTSEV, L.N., inzh.

Causes of silting and filling of drainage lines with plant roots.
Nauch. trudy KOMS no.1:117-137 '59. (MIRA 13:1)
(Kaliningrad Province--Drainage)

KRIVONOSOV, I.M., kand.tekhn.nauk; MORGUNOV, N.I., kand.sel'skokhozyaystvennykh nauk; SIDONTSEV, L.N., inzh.

Some specific features of the design of drainage systems in Kaliningrad Province. Nauch. trudy KOMS no.1:50-63 '59. (MIRA 15:1)
(Kaliningrad Province--Drainage)



[illegible] pyrethrum synergists. [illegible]. Acta r nat Univ Com 9 no.5:255-268 '65.

Contribution to the preparation of 3-aminocyclopentene. Ibid.: 269-273 '65.

1. Chair of Organic Chemistry and Biochemistry of the Faculty of Natural Sciences of Comenius University, Bratislava. Submitted July 11, 1963, June 20, 1963.

ACC NR: AP6025866 SOURCE CODE: CZ/0043/65/000/008/0611/0619

AUTHOR: Furdik, Mikulas (Professor; Engineer; Bratislava); Sidoova, Eva--Sidoova, Ye. (Engineer, Candidate of sciences; Bratislava); Priehradny, Samo--Priyegradny, S. (Doctor; Bratislava)

ORG: [Gurdik; Sidoova] Chemical Laboratory, Faculty of Natural Sciences, Comenius University, Bratislava (Laboratorium chemie Prirodovedeckej fakulty Univerzity Komenskeho); [Priehradny] Research Institute of Agrochemical Technology, Bratislava (Vyskumny ustav agrochemickej technologie)

TITLE: Investigation of the herbicidal properties of new derivatives of N-amino-1,4-endoxocyclohex-5-3n-2,3-dicarboximide

SOURCE: Chemicke zvesti, no. 8, 1965, 611-619

TOPIC TAGS: chemical compound, organic chemistry

ABSTRACT: Herbicidal properties of derivatives of N-amino-1,4-endoxocyclohex-5-en-2,3-dicarboximide prepared by various substitutions on the N in the amino-group were investigated. The derivatives showed rather low herbicidal properties; the only substance that showed reasonable activity was the N-(dinitrophenylamino)-derivative.
The authors thank J. Grnako, Chemistry Laboratory, PFUK, Bratislava, for performing the analysis; and Engineer J. Synak, Head Collective, Biological Section, Research Institute of Agrochemical Technology, Bratislava, for testing the herbicidal properties of the prepared substance. Orig. art. has: 1 figure and 3 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 03Mar65 / ORIG REF: 002 / OTH REF: 001

Card 1/1

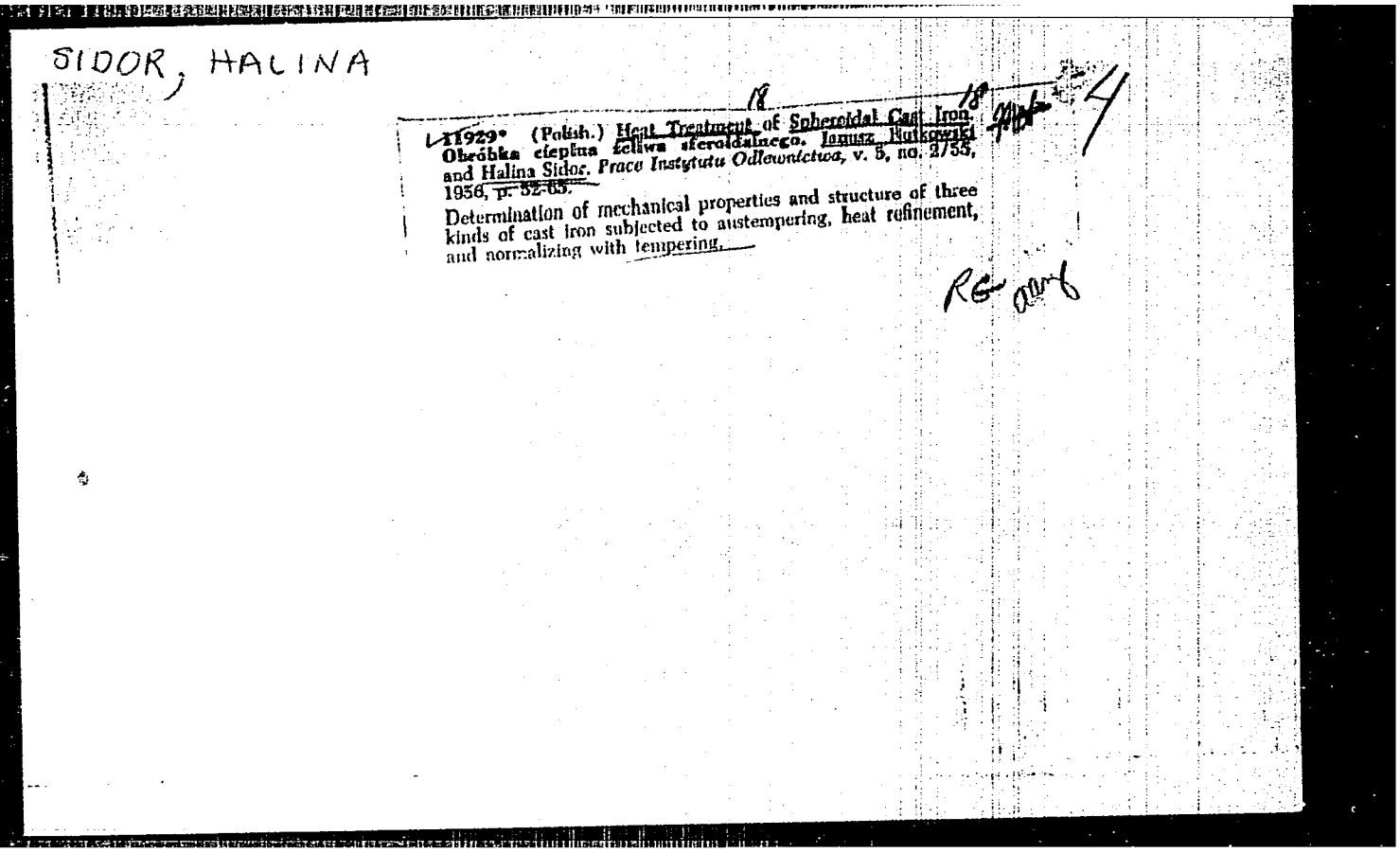
09/6 0997

STDCR, H.

Heat treatment of spheriodal steel castings. P. 52.

KINOTECHNIK, Vol. 5, no. 2, 1955 (published 1956), Poland

SO: East European Accessions List, Lib. of Cong., Vol. 5, No. 10, Oct. 1956.



SIDOR, HALINA

11929* (Polish.) Heat Treatment of Spheroidal Cast Iron. Obróbka cieplna żeliwa sferoidalnego. Janusz Rutkowski and Halina Sidor. *Prace Instytutu Odlewnictwa*, v. 5, no. 2/58, 1956, p. 52-65.

Determination of mechanical properties and structure of three kinds of cast iron subjected to austempering, heat refinement, and normalizing with tempering.

Russ

S.DoR. P.G.

Wear-out of diamond bits in turbine drilling in the Glinsko-Rozbishevka prospecting area. Neft. i gaz. prom. no.7:29-32 O-D '64. (MIRA 1882)

[redacted], L.A., kand. tekhn. nauk; [redacted], V.V., inzh.; BOBRIK, M.A., inzh.; BYBORA, N.N., inzh.

Study of a screw compressor with oil injection in the operating strip. Energomashinostroenie 10 no.10: 40-42 O '64
(MIRA 18:2)

SIDORA, V.D.

Determination of the circulation blood volume using radioactive chromium. Med. rad. 8 no.10:7-10 '63.

Determination of the circulating blood volume and its components by the radioisotope method for evaluating the severity of anemia in patients with chronic leukemia. Ibid.:25-31

(MIRA 17:6)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. V.S. Brezhnev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta (direktor - dotsent G.S. Voronyanskiy) i otdeleniya vnutrennikh i sistemnykh zabolevaniy (zav. - dotsent Yu. Ye. Lantodub) Khar'kovskogo instituta meditsinskoy radiologii (direktor - kand. med. nauk V.I. Shantyr').

Shchukina, V.V.; Sidora, V.D.

Use of radioactive chromium for the study of the viability of polycythemic blood transfused to patients with chronic leukemia. Med. rad. 8 no.10:18-20 O '63. (MIRA 17:6)

1. Iz kafedry meditsinskoy radiologii i rentgenologii (zav. - prof. V.S. Brezhnev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta i otdeleniya vnutrennikh i sistemnykh zabolevaniy (zav. - dotsent Yu.Ye. Lantoduh) Khar'kovskogo instituta meditsinskoy radiologii (direktor - kand. med. nauk V.I. Shantyr').

SIDORA, V.F., ptichnitsa

My duty is to collect one million eggs. Ptitsevodstvo 9 no.7:6-7 Jl '59. (MIRA 12:10)

1. Khozyaystvo "Borki" Ukrainskoy opytnoy stantsii ptitsevodstva.
(Eggs--Production)

SIDORA, V.F., ptichnitsa, Geroy Sotsialisticheskogo Truda; KOVALENKO, Ye.I., red.; YEROSHENKO, T.G., khud.-tekhn.red.

[We have one million but will have two million eggs] Est' 1 - budet 2 milliona iaits. Kiev, Gos.izd-vo sel'khoz.lit-ry USSR, 1960. 25 p. (MIRA 14:1)

1. Eksperimental'noye khozyaystvo "Borki" Ukrainskogo nauchno-issledovatel'skogo instituta ptitsevodstva (for Sidora).
(Kharkov Province--Eggs--Production)

POPOV, Anatoliy Andreyevich, kand.veterin.nauk; SIDORA, Vera Fedorovna, ptichnitsa, Geroy Sotsialisticheskogo Truda; VAZHEL', Yu.G., red.; KATSNEL'SON, S.M., red.izd-va; ATROSHCHENKO, L.Ye., tekhn.red.

[For two million eggs a year] Za dva milliona iaits v god. Moskva, Izd-vo "Znanie," 1960. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.17). (MIRA 13:9)

1. Zamestitel' direktora Ukrainskogo nauchno-issledovatel'skogo instituta ptitsevodstva (for Popov).
(Poultry)

SIDOROV, V.T.

Noncontact electric control system of the drop section of a push conveyor. Avt. prom. 31 no.8:36-38 Ag '65. (MIRA 18:8)

1. Ul'yanovskiy avtozavod.

14(5) SOV/92-58-9-23/36

AUTHOR: Sidoranskiy, G., Unit Head

TITLE: Efforts Are Made by Efficiency Experts to Reduce Losses (Ratsionalizatory boryutsya za sokrashcheniye poter')

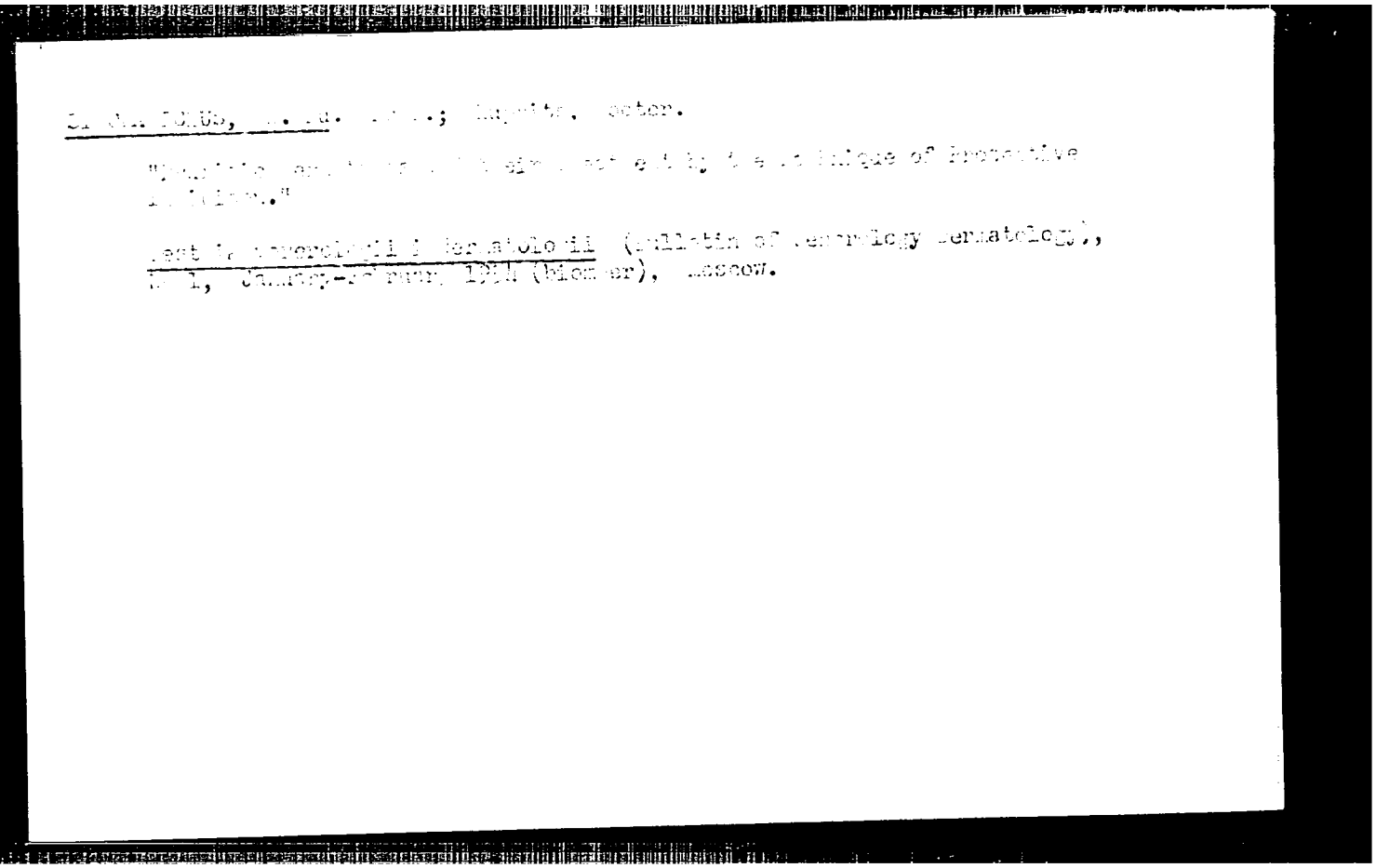
PERIODICAL: Neftyanik, 1958, Nr 9, pp 23-24 (USSR)

ABSTRACT: The author states that following the Groznyy convention of young oilmen and the campaign against petroleum product losses, the refiners of the Groznyy lube oil producing plant succeeded in attaining the highest production level and in bringing their plant into the ranks of the leading enterprises of the Chechen-Ingush ASSR. Enforcing rigid economy, they saved the same quantity of products during the first three months as had previously been saved in six months. A new method regenerating selecto (mixture of phenol and cresol) from extracts was introduced in the duo-sol process unit by a group of engineers and experts including N.A. Tarasov, N.I. Shalamov, K.V. Kvashnin, S.I. Stepuro and L.V. Pavlov. Rafinate containing 0.07 percent of selecto is

Card 1/2

now brought for this purpose to vacuum columns wherein trace quantities of selecto are removed. They are collected with water in small vacuum tanks and are pumped through the propane tank. As a result selecto is dissolved in propane and the water purified. The introduction of vacuum extraction of selecto has increased the flash point of rafinate and reduced the consumption of this solvent. Moreover, upon suggestion of some other experts the oil from the spent clay is now regenerated after its contact treatment. To reduce the consumption of solvents and reduce the corrosion of equipment some additional evaporators were installed. All these measures lowered the cost of production, increased the productivity of labor, and ensured higher profits.

ASSOCIATION: Groznenskiy neftemaslozavod (The Groznyy Lube Oil Producing Plant)



DZHAMBO, M.; KLIMENKO, V.; SIDORCHENKO, B.; SOLOMASHCHENKO, A.; FAYBISOVICH, A.

Public inspectors represent a great power. Avt. transp. 37 no.5:49 My '59. (MIRA 12:8)

1.Rukovoditeli avtokhozyaystva Kiyevskogo gorodskogo avtoupravleniya, Kiyevskogo sovnarkhoza i "Glavkiyevstroya."
(Automobiles--Inspection)

SHIKHALEV, V.N., inzh.; SIDORCHENKO, I.G., tekhnolog

New design of an oil pressure relay. Elek.i tepl.tiaga 3 no.12: 24-25 D '59. (MIRA 13:4)
(Electric relays)
(Diesel locomotives--Fuel systems)

GLEBOV, G.M.; (g. Murom); SIDORCHENKO, L.G. (g. Murom)

Do we need two different pressures for the main air pipes of the TGM1 diesel locomotive? Elek. i tepl. tiaga 2 no.5:43 '58.
(MIRA 12:4)

1. Starshiy inzhener-konstruktor Muromskogo teplovozostroitel'nogo zavoda (for Glebov). 2. Sborochnyy tsekh Muromskogo teplovozostroitel'nogo zavoda (for Sidorchenko).
(Diesel locomotives) (Air pipes)

AFANAS'YEV, N.G. [Afanas'iev, M.H.]; GORDIYENKO, A.G. [Hordiienko, A.H.]; KOLISNICHENKO, L.K.; VIL'YAMS, A.P.; SIDORCHENKO, L.I.

Measurement and stabilization of the magnetic field of a powerful electromagnet by the nuclear magnetic resonance method. Ukr.fiz. zhur. 5 no.3:319-326 My-Je '60. (MIRA 13:8)

1. Fiziko-tekhnicheskiy institut AN USSR.
(Electromagnets) (Magnetic fields) (Nuclear magnetic resonance)

BOGOMOLOV, A.M., inzh.; SIDORCHENKO, P.G., inzh.

Making 408.7 meters of driftage in one month. Shakht. stroi. no.12: 23-24 D '59. (MIRA 13:3)

1.Trest Krasnoarmeyskshakhtostroy.
(Mine engineering)

SIDORCHENKO, P.G., inzh.

Rossiya Mine has been put in operation. Shakht. stroi. 5 no. 3:27 Mr '61. (MIRA 14:2)

1. Trest Krasnoarmeyskshakhtostroy.
(Donets Basin—Coal mines and mining)

SIDORCHENKO, P.G.

D-2 hydraulic mine at Krasnoarmeysk begins operation. Shakht. stroi. 5 no.5:29-30 My '61. (MIRA 14:6)

1. Trest Krasnoarmeyskshakhtostroy.
(Donets Basin--Hydraulic mining)

SIDORCHUK, I. I.

SIDORCHUK, I.I.

Kinetics of dispersion of finely dispersed particles in a fluidized bed. Azerb. neft.khoz. 36 no.9:36-39 S '57. (MIRA 11:2)

(Aluminosilicates) (Fluidization)

KOZEYKO, T.A.; SIDORCHUK, I.I.

Characteristics of distributing contactor systems involving a fluidized bed. Azerb. neft. khoz. 38 no.8:40-41 Ag '59. (MIRA 13:2)

(Petroleum--Refining) (Chemical reactors)

SIDORCHUK, I.I.

Raising temperatures in fluidized beds of regenerators of catalyst cracking. Azerb. neft. khoz. 39 no.1:36-38 Ja '60. (MIRA 14:8)
(Cracking process)

INDYUKOV, N.M.; GONCHAROVA, M.A.; SIDORCHUK, I.I.; GASANOVA, R.I.

Catalytic reforming of low-octane gasolines with [redacted]ium content of naphthenic hydrocarbons. Khim.i tekh.topl.i masel 6 no.9:15-19 S '61. (MIRA 14:10)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.
(Gasoline) (Hydrocarbons)

SHUYKIN, N.I.; MINACHEV, Kh.M.; ALIYEV, V.S.; SIDORCHUK, I.I.; RYASHENTSEVA, M.A.

Reforming of the 60-140° gasoline fraction and of standard gasoline B-70 from Baku crudes on a platinum catalyst. Zhur. prikl. khim. 34 no.2:461-464 F '61. (MIRA 14:2)
(Gasoline)

ALIYEV, Vagab Safarovich; INDYUKOV, Nikolay Mikhaylovich; YEFIMOVA, Sof'ya Abramovna; GONCHAROVA, Mariya Alekseyevna; SIDORCHUK, Igor' Ivanovich; NAGIYEV, M.F., akad., red.; DOLGOV, V., red. izd-va

[Catalytic cracking of petroleum crudes with the use of fluidized bed techniques] Issledovaniia v oblasti kataliticheskogo krekinga neftianogo syr'ia s primeneniem tekhniki kipiashchego sloia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 310 p. (MIRA 15:5)

(Cracking process) (Fluidization)

L 33255-65 EWT(m)/EPF(c) Pr-4 RM

ACCESSION NR: AP5006517 S/0316/64/000/005/0011/0014

AUTHOR: Sidorchuk, I.I.; Indyukov, N.M.; Mardzhanov, G.M. 17 B

TITLE: Preparation of xylenes from gasolines derived from catalytic cracking

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 5, 1964, 11-14

TOPIC TAGS: xylene production, gasoline, catalytic cracking, reforming, platforming, octane value, unsaturated component, jet extractor

ABSTRACT: The authors studied the preparation of p-xylene from the 120-150 C fraction obtained by cracking and treating gasoline, as compared to that from the 105-

removed, the octane value remained practically unchanged.

Card 1/2

L 33255-65

ACCESSION NR: AP5005517

apparatus for extraction of xylene and ethylbenzene from the 120-150 C fraction yielded practically the same data as those obtained by extraction of aromatic C_8 compounds of platforming of the corresponding fraction. The extract obtained somewhat more unsaturated

(105-140 C). When using this [illegible] the extraction machinery by about 10%. Orig. art. has: 3 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: FP

NO REF SOV: 003 OTHER: 000

Card 2/2

INDYUK[illegible], [illegible]; SID[illegible]CHUK, I.I.; [illegible]

[Low-molecular aromatic hydrocarbons from petroleum crudes] Nizkomolekuliarnye aromaticheskie uglevodorody iz neftianogo syr'ia. Baku. Azerneshr, [illegible]. [illegible] p.
(MIRA 18:[illegible])

SIDORCHUK, P.Ye; IVANOVSKAYA, Z. I.

Consolidation and dissemination of progressive practices in the Krivoy Rog Basin Geological Trust. Razved. i okh. nedr 26 no.10:49-51 O '60. (MIRA 13:11)

1. Trest "Krivbassbeologiya" (for Sidorchuk). 2. TSentral'nyy komitet profsoyuza rabochikh geologorazvedochnykh rabot (for Ivanovskaya).

(Prospecting)

SIDORCHUK, T.V.

Unusual course of the disease in otogenous abscess of the left temporal lobe of the brain. Vest.oto-rin. 20 no.6:113-114 N-D '58 (MIRA 11:12)

1. Iz kliniki bolezney ukha, gorla, i nosa (zav. kafedroy - zaslyzhennyy deyatel' nauki prof. A.I. Fel'dman) TSentral'nogo instituta usovershenstvovaniya vrachey na baze infektsionnoy gorodskoy klinicheskoy bol'nitsy No.2.
(TEMPORAL LOBE, abscess
otogenous, unusual case (Rus))

SIDORCHUK, T. V., Cand Med Sci -- (diss) "Problem of otogenic abscesses of the brain." Moscow, 1960. 15 pp; (Second Moscow State Medical Inst im N. I. Pirogov); 250 copies; price not given; (KL, 51-60, 121)

MAKSIMCHUK, V.L. [Maksymchuk, V.L.]; SIDORCHUK, V.M. [Sydorchuk, V.M.]

Design of simplified slope lining with dumped unsorted stone.
Visti Inst.hidrol. i hidr. AN URSR 21:22-29 '62. (MIRA 16:4)
(Shore protection)

16(1) SOV/21-59-2-6/26

AUTHOR: Sydorchuk, V.N.

TITLE: On the Calculation of Slope Reinforcement by Rock Fills (K raschëtu krepleniya otkosov kamennoy nabroskoy)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 2, pp 133-136 (USSR)

ABSTRACT: Until recently, the calculations of weight and amount of stones required for protecting hydrotechnical works were based on the conditions of the static equilibrium of stones. In this article, the author, furthering the work by Beaudevin /Ref 1/ proved that the dynamic equilibrium of stones can also be used for such calculations. The conclusion, based on mathematical calculation by the formula

$$d=0.28\,\gamma h \frac{1}{\gamma H-\gamma} \sqrt[3]{\frac{\lambda}{m_2^2}}$$

Card 1/3

On the Calculation of Slope Reinforcement by Rock Fills

wherein d is the size of the stone, h is the wave's height, γ_H is volumetric weight of materials in the fill T/M^3, η -1.2 - 1.5 is the coefficient of reserve, depending upon the firmness of the construction, λ is the relative length of the wave, m_2 is the coefficient of the slope's section between the water surface and the lower level of erosive influence of the waves. That this formula can be applied in cases when the parameters of waves in water reservoirs do not exceed h up to 3 m, λ = 10-20; $2 \leq m_2 \leq 6$, was supported by practical experimentation by the author, under the direction of Associate Member of the AS UkrSSR, Professor B.A. Pyshkin, performed in the research pond of the Kiyevskiy institut inzhenerov vodnogo khozyaystva (Kiyev Institute of Engineers of Water Economy). The pond was 30 m long, 0.75 m wide, 1.05 m deep, contained 0,8 m of water. The fill was made of pebble, averaging 2.6 cm in dia-

On the Calculation of Slope Reinforcement by Rock Fills

meter. The initial coefficient of slope of fill was $m_0 = \operatorname{ctg}$, where is an angle of friction of a pebble. was changed from 1.07 to 1.28. Linear scale of Model was 1 : 20. The elements of waves were changed as follows: h = 0.064 - 0.228 M; L (wave length) = 1.04 - 2.71 m = 8.2 - 28.6. There are 2 graphs, 1 sketch and 5 references, 2 of which are Soviet and 1 French.

ASSOCIATION: Institut gidrologii i gidrotekhniki AN UkrSSR (Institute of Hidrology and Hydrotechnics of the AS UkrSSR)

PRESENTED: By G.I. Sukhomel, Member of the AS Ukr SSR

SUBMITTED: November 11, 1958

SIDORCHUK, V.N. [Sydorchuk, V.M.], inzh.

Design of the protective facing of hydraulic earth structures.
Visti Inst.gidrol.i gidr.AN URSR 18:63-67 '61. (MIRA 15:3)
(Hydraulic engineering)

SIDORCZUK, Anatol

Physico-mathematical aspects of medical sciences. The problem of mathematical models in medicine. Pol. arch. med. wewnet. 34 no.12:1721-1730 '64.

1. Z Zakladu Fizyki Lekarskiej Akademii Medycznej w Warszawie (Kierownik: prof..dr. W. Kapuscinski).

CZYZYK, Artur; SIDORCZUK, Anatol

The circadian glycemic curve--an attempt at objective evaluation. Pol. arch. med. wewnet. 35 no.2:163-169 '65

1. Z III Kliniki Chorob Wewnetrznych Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. E. Kodejszko) oraz z Zakladu Fizyki Lekarskiej Akademii Medycznej w Warszawie (Kierownik: prof. dr. W. Kapuscinski).

SIROMKO, A.

Using compressed wood instead of metal. Rech. transp. 20 no. 2:45-46 F '61. (MIRA 14:2)

1. Zamestitel' nachal'nika Dnepropetrovskoy remontno-ekspluatatsionnoy bazy.
(Paddle wheels)

SIDORENKO, A., stalevar martenovskoy pechi

Making use of internal reserves. Sov.profsoiuzy 7 no.8:15-16 Ap '59. (MIRA 12:7)

1. Zavod "Zaporozhstal'."
(Zaporozh'ye--Steelworkers) (Labor productivity)

USSR/Electricity - Turntable Motors Apr 52

"The Quality of Type APM-3 Electric Motors of the "El'fa" Plant," A. Sidorenko, Kurgan

"Radio" No 4, p 59

Points out defects in the type APM-3 electric motors which were obtained by the Kurgan wired radio center. Defects are: speed decreases gradually under increased load; speed at the beginning of a phonograph record is not the same as at the end; difficulty in setting the motor speed exactly.

238T51

SIDORENKO, A.

Running in and testing engines of limited power. MTS 14 no.3:31 Mr '54. (MLRA 7:4)

1. Mekhanik-kontroler Neklinovskoy mashino-traktornoy stantsii Rostovskoy oblasti. (Farm engines)

ACC NR: AP7011[illegible] SOURCE CODE: UR/0029/66/000/003/[illegible]/0015

AUTHOR: Sidorenko, A. (Minister of geology SSSR, Corresponding member AN SSSR)
ORG: none
TITLE: Brief survey of mineral and oil and gas reserves discovered in [illegible] after World War II
SOURCE: Tekhnika-Molodezhi, no. 3, 1966, 14-15
TOPIC TAGS: mineral resource, Mohorovicic discontinuity, deep drilling, uranium, iron ore, petroleum, natural gas, pipeline
ABSTRACT:

Over 200,000 machines are used in mineral prospecting in the USSR: this includes over 12,000 drilling rigs capable of reaching depths of 3—5 km, 6,000 mobile electric-power stations with a capacity of over 1,000,000,000 kw-hr, and about 60,000 trucks, prime movers, special vehicles for traversing difficult terrain, aircraft, and helicopters.

Oil wells are now being drilled in the Ukraine, Northern Caucasus, and Uzbekistan to depths of more than 4—5 km. One well in the Caspian area has reached 6 km, another in the Baku area is down to 8 km, and depths of 10—15 km are planned to reach the Moho discontinuity. The largest oil and natural-gas basin in the USSR has been discovered in western Siberia: 47 large deposits of oil and natural gas have been found here during the years of the Seven-Year Plan, and industrial exploitation has been started. Prospecting for oil and natural gas is in progress

Card 1/2

ACC NR: AP7011...

in Irkutsk Oblast, along the Lena River, and in the Vilyuy basin. Construction has begun on the world's largest natural-gas pipeline (more than 3500 km) from the gas reserves of Central Asia to the "Center." Promising oil shows have been found in the Baltic area, Karaganda Oblast, Kaliningrad Oblast, and the Yaroslavl area. Deep wells are to be drilled soon in Moscow Oblast.

The iron-ore fields in the Mikhaylovskoye and Lebedinskoye deposits (in the Kursk Magnetic Anomaly) are already producing millions of tons of high-grade ore yearly. Nickel ore has been discovered in Voronezh Oblast, bauxite is being sought there, and a kimberlite pipe has also been discovered in the oblast. Large iron-ore deposits have been found near the Azovstal' Steel Plant, in addition to the previously known iron-ore deposits south of Zhdanov. Gold has been discovered in Armenia and in the Kyzyl Kum, copper in the Georgian SSR, zinc in Azerbaydzhan, and tin in the Kirgiz SSR.

Enough uranium has been found to fulfill the needs for atomic energy. Adequate reserves of titanium ore, including the industrially most advantageous type, rutile-ilmenite, have been discovered. Germanium ores have been found in sufficient quantities to ensure present and future industrial needs. Orig. art. has: 1 figure. /ATD PRESS: 7-4223/

Card 2/2 SUB CODE: 08 / SUBM DATE: none

SIDORENKO, A.

Substitute for metal. Rech. transp. 21 no.10:32-35 O '62.
(MIRA 15:10)

1. Zamestitel' nachal'nika Dnepropetrovskoy remontno-ekspluatatsionnoy bazy.

(Metals. Substitutes for)
(Wood, Compressed)

SIDORENKO, A.

Use of compressed wood in ship repairs. Mor. flot 22 no.9:34-36 S '62. (MIRA 15:12)

1. Zamestitel' nachal'nika Dnepropetrovskoy remontno-ekspluatatsionnoy bazy.
(Ships—Maintenance and repair)
(Wood, Compressed)

SIDORENKO, A., ministr SSSR

Prospectors of underground treasures. Grazhd.av. 20 no.5:4 My '63.
(MIRA 16:7)

1. Predsedatel' Gosudarstvennogo geologicheskogo komiteta SSSR.
(Aeronautics in geology)

SIDORENKO, A.

Geology and advances in technology. Min delo 18 no.5:30-34 My '63.

1. Chlen-korrespondent na Akademiiata na naukite na SSSR, ministur na geologiiata i okhrana na zemnite nedra na SSSR.

SIDORENKO, A A

BEZGINOV, I.P., professor-prepodavatel', polkovnik,; VELYUGO,V.M., professor-prepodavatel',polkovnik,; GERASIMOV, A.I.,professor-polkovnik, polkovnik,; LEBEDEV,A.I., professor-prepodavatel', polkovnik,; MILYUTENKOV, D.M., professor-prepodavatel',polkovnik,; PROKHORKOV, I.I., professor-prepodavatel', polkovnik,; SHKACHEV, V.I., professor-prepodavatel', polkovnik,; SOROKIN, V.N.,professor-prepodavatel', polkovnik,; UKHOV,N.E.,professor-prepodavatel',polkovnik,; FEDOTOV, B.I.,professor-prepodavatel',polkovnik,; SHIRYAKIN,N.V., professor-prepodavatel',polkovnik,; SHMELEV,M.S.,professor-prepodavatel', polkovnik,; ANISIMOV, N.I.,professor-prepodavatel',polpolkovnik,; BULATOV,A.A.,professor-prepodavatel',podpolkovnik,; SIDORENKO, A.A.,professor-prepodavatel',podpolkovnik,; SHKODUNOVICH,N.N., general-leytenant, glavnyy red.; BANNIKOV, M.K., polkovnik, red.; DAVYDOV,F.M.,polkovnik, red.; LOZOVOY-SHEVCHENKO, V.M.,general-mayor aviatsii, red.; SHIPOVA, B.V., polkovnik, red.; MOROZOV,B.N., polkovnik, red.; VOLKOVA, V.E., tekhn. red.

[Concise dictionary of operational-tactical and general military terms] Kratkii slovar' operativno-takticheskikh i obshchevoennykh slov (terminov). Moskva, Voen. izd-vo M-va obor. SSSR, 1958. 323 p. (MIRA 11:11)

1. Moscow. Voyennaya akademiya imeni M.V.Frunze. 2. Krasnoznamennaya, ordena Lenina i ordena Suvorova 1-y stepeni Voennaya akademiya imeni M.V.Frunze (for all except Shkodunovich, Bannikov, Davydov, Lozovoy-Shevchenko, Shipova, Morozov,Volkova).
(Military art and science--Dictionaries)

GRIGORENKO, Petr Grigor'yevich, dotsent, kand.voyennykh nauk, general-mayor; MILYUTENKOV, Dmitriy Matveyevich, kand.voyennykh nauk, starshiy nauchnyy sotrudnik, polkovnik; PROKHORKOV, Ivan Ignat'yevich, kand.voyennykh nauk, polkovnik; SIDORENKO, Andrey Alekseyevich, kand.voyennykh nauk, podpolkovnik; SHRAMCHENKO, Aleksandr Filippovich, kand.voyennykh nauk, starshiy nauchnyy sotrudnik, polkovnik; KUROCHKIN, P.A., general armii, red.; MOROZOV, B.N., polkovnik, red.; MEDNIKOVA, A.N., tekhn.red.

[Methodology of military research] Metodika voenno-nauchnogo issledovaniia. Pod red. P.A.Kurochkina. Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 266 p. (MIRA 13:3)
(Military art and science)

SIDORENKO, A.G.

SIDORENKO, A.G.

Growing early strawberries indoors. Est. v shkole no.3:82 My-Je '54.
(MLRA 7:7)

1. Nezhinskiy pedagogicheskiy institut imeni N.V. Gogolya.
(Forcing (Plants)) (Strawberries)

DOBROV, N.I.; SIDORENKO, A.I.

Operation of mechanical receiving bins. Sakh.prom. 30 no.4:39-41 Ap '54. (MLRA 9:8)

1. Luchanskiy sakharnyy zavod.
(Sugar industry--Equipment and supplies)

CA SIDORENKO, A. I.

11D

Development of Azotobacter in the rhizosphere of agricultural plants. A. I. Sidorenko. *Microbiology* (U. S. S. R.) **9**, 153 8(1940); cf. Krasil'nikov, *Ibid.* **3**, No. 3 (1934); and Jensen, *C. A.* **34**, 6308*.—The development of *Azotobacter* (I) in the rhizosphere and oats was followed. The seeds were inoculated with various strains of I, and some with *Pseudomonas* and *Rhizobium* to follow their effect on the growth of I. Oats, barley, Sudan grass, sunflower and soybean stimulate the growth of I, wheat depresses it, corn, soybean and alfalfa cause a fluctuation, according to the developmental stage of the plant, and sugar beet is inert in its effect on I growth. T. Laanes

Ukr. Inst. Socialist Agriculture, Kharkov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SIDORENKO, A.I.

Pseudomonas aurantiaca as the producer of humuslike organic matter of a nonspecific nature. Izv. vost. fil. AN SSSR no.1:137-140 '57. (MIRA 11:4)

1. Zapadno-Sibirskiy filial AN SSSR.
(Pseudomonas) (Humus)

SIDORENKO, A. I.

Effect of cultivation and fertilizers on the number of micro-organisms in old medium-deep Chernozem fallows of the Ob Plateau. Trudy Biol. inst. Zap.-Sib. fil. AN SSSR no.3:191-209 '57. (MIRA 13:10)
(Ob Valley—Soil micro-organisms)

SIDORENKO, A.I.

Microbiological characteristics of Chestnus soils of the central Kulunda Steppe. Izv. Sib. otd. AN SSSR no.9:103-110 '59 (MIRA 13:3)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Kulunda Steppe--Soils--Bacteriology)

SIDORENKO, A. I.

Rhizosphere microflora of Siberian fawnlily. Trudy TSSBS no.4:95-105 '60. (MIRA 15:4)
(Rhizosphere microbiology) (Lilies)

SIDORENKO, A.I.

Microbiological activeness in Western Siberian Chernozems recently brought under cultivation. Trudy Inst. mikrobiol. no.7:170-179 '60. (MIRA 14:4)

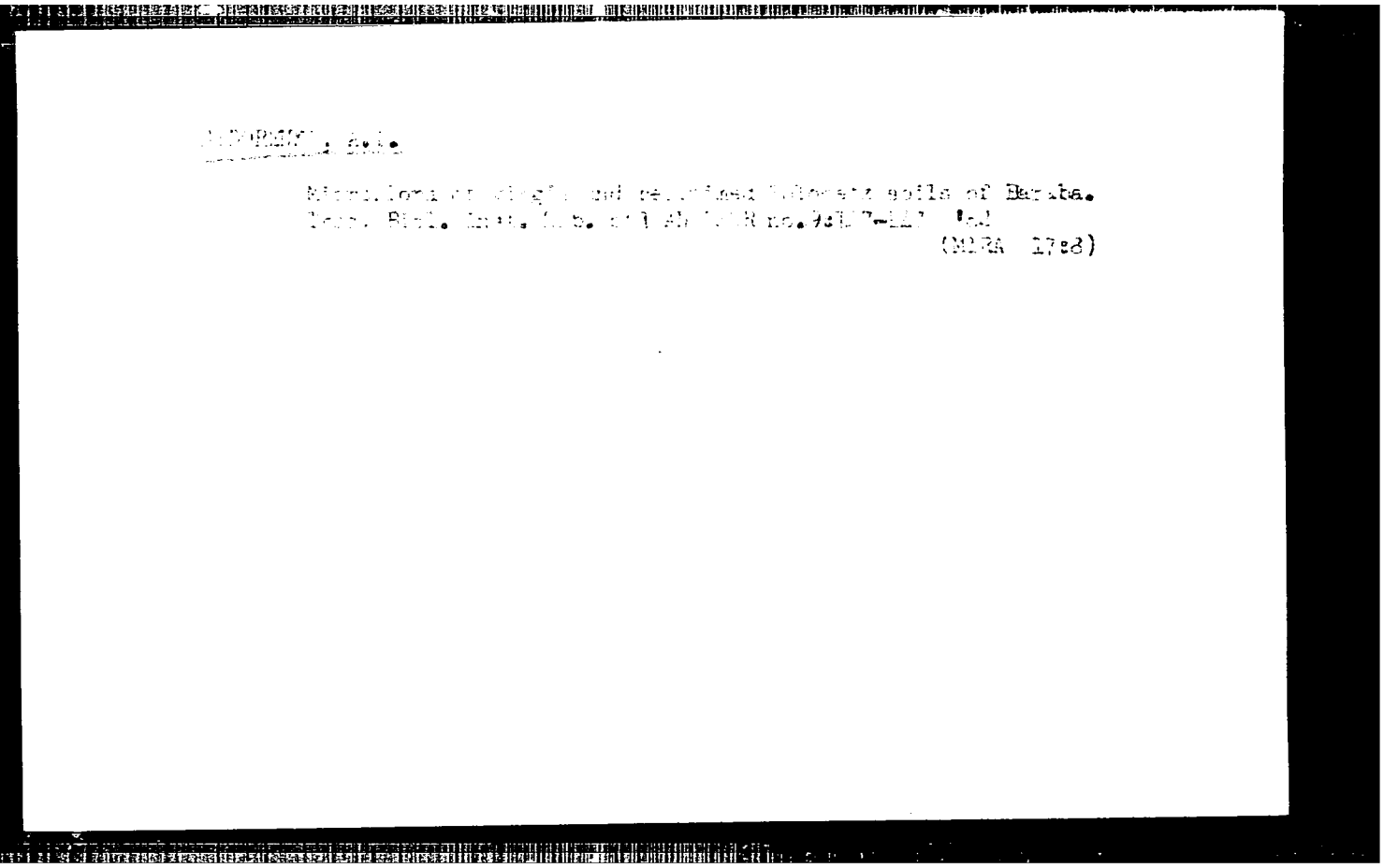
1. Zapadno-Sibirskiy filial AN SSSR.
(SIBERIA, WESTERN--SOIL MICRO-ORGANISMS)

SIDORENKO, A.I.; KLEVENSKAYA, I.L.

Production of growth substances by nonsporeforming bacteria isolated from some soils of Siberia. Izv.Sib.otd.AN SSSR no.12:92-96 '61. (MIRA 15:3)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

(GROWTH PROMOTING SUBSTANCES) (SOIL MICRO-ORGANISMS)



SIDORENKO, A.I.; MARKOVA, E.N.

Fermentation activity of Azotobacter cultures [illegible] from Solonetz soils of Barabá. Trudy Biol. inst. Sib. otd. AN SSSR no.9:157-162 '62 (MIRA 17:2)

SIDORENKO, A.I.

Nonsporogenous bacteria in the control of soil pests of agricultural crops. Trudy Biol. inst. Sib. otd. AN SSSR no. 10:130-140 '63. (MIRA 17:5)

SIDORENKO, A. K. PA 62T81

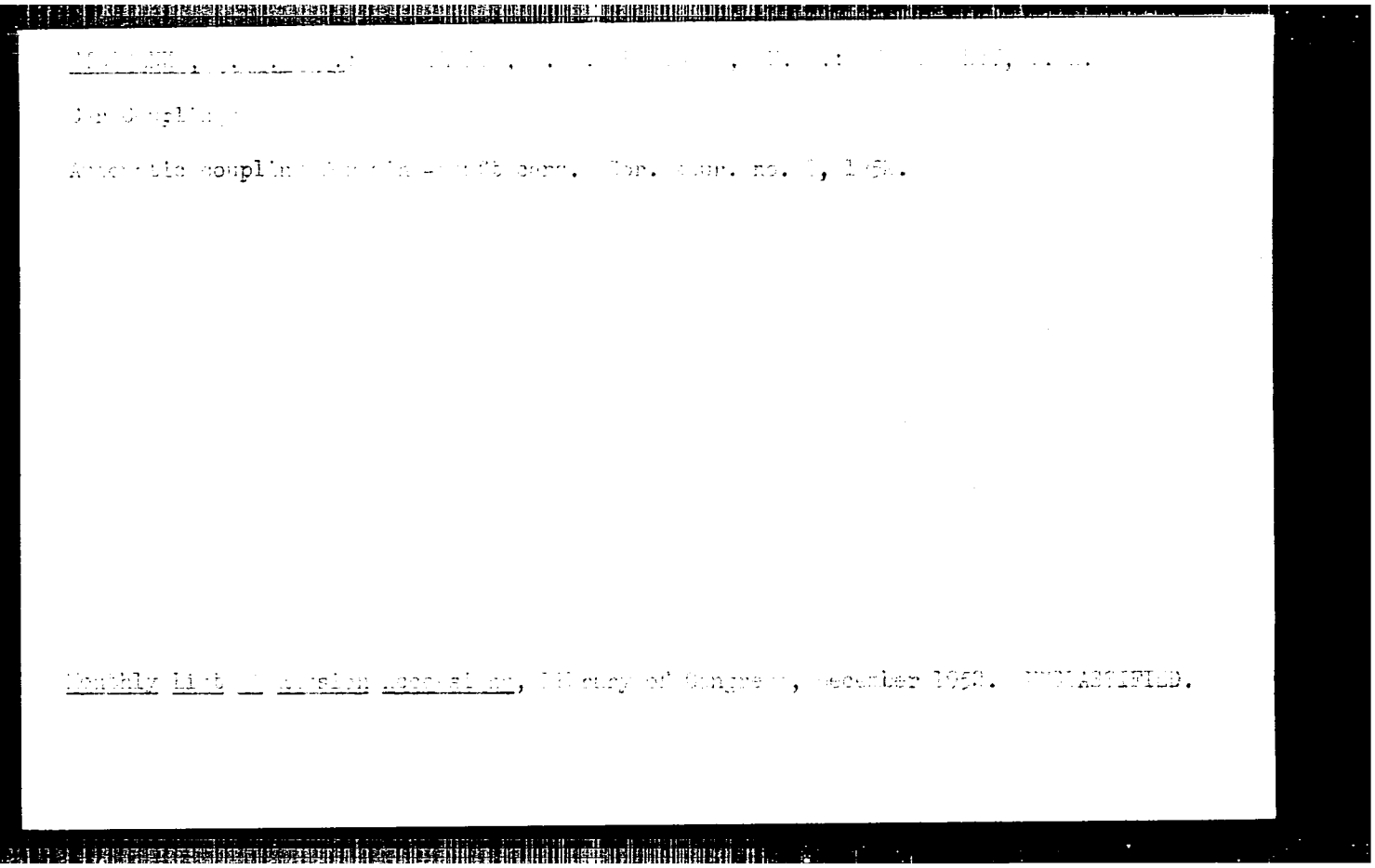
USSR/Mines and Mining Jan 1948
Mining Equipment
Plows

"A New Mining Banking Plow 'Ural'," A. K. Sidorenko, Engr, ½ p

"Mekh" No 1

New 20-ton plow for use in uncovering mineral deposits in open-pit mines. Manufactured by Magnitogorsk Works for Mining Equipment; first produced in 1947.

62T81



1. SIDORENKO, A. K.

2. USSR (600)

4. Milling Machines

7. Heavy-duty worm cutters. San, i instr. 23 no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

SIDORENKO, A.K.; KARTSEV, A.K.; SHATSKIY, Ye.S.; GAL'PERIN, Ye.I., otvetstvennyy redaktor; LEUTA, V.I., vedushchiy redaktor; RUDENSKIY, Ya.V., tekhnicheskiy redaktor.

[Manufacture of cog and worm gear] Izgotovlenie zubchatykh i cherviachnykh peredach. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi i sudostroit. lit-ry, 1954. 117 p.
(Gearing) (MLRA 8:1)

SIDORENKO, A.K.

[Manufacture of gear and worm transmissions] Izgotovlenie zubchatykh i cherviachnykh peredach. Kiev, Mashgiz, 1954. 120 p. (MLRA 7:11D)

SIDORENKO, A.K., inzhener.

Relation of boring speed to borehole diameter. Gor.zhur.no.11:24 N '55. (Boring) (MLRA 9:1)

AID P - 4787

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 14/24

Author : Sidorenko, A. K.

Title : Proper mounting of a single-point cutting tool in chuck of a lathe for machining worm gears.

Periodical : Stan. i. instr., 3, 35, Mr 1956

Abstract : The author describes two methods of fastening single-point cutting tool in the chuck of a lathe when it is used for machining worm gears in limited numbers, thus avoiding the expense of making a special milling cutter. Two drawings.

Institution : None

Submitted : No date

SIDORENKO, A.K.

Improve the work of the Krivoy Rog scientific research and construction organizations. Gor.zhur.no.10:15-18 O '56. (MLRA 9:12)

1. Krivorozhskiy gornorudnyy institut.
(Krivoy Rog--Iron mines and mining)
(Metallurgical research)

SIDORENKO, A. K. Cand Tech Sci -- (diss) "Means of increasing the speed of the drilling of deep explosive wells in solid rocks." Dnepropetrovsk, 1957. 18 pp (Min of Higher Education USSR. Dnepropetrovsk Order of Labor Red Banner Mining Inst im Artem), 110 copies (KL, 43-57, 89)

SIDORENKO, A.K., gornyy inzhener.

Prospects for the development of deep-hole hammer drilling in hard rock. Gor. zhur. no.4:10-14 Ap '57. (MLRA 10:5)

1. Krivorozhskiy gornorudnyy institut.
(Rock drills)

MALAKHOV, G.M., professor; SIDORENKO, A.K., gornyy inzhener; BOGOYEN, I.A., dotsent; MUDIK, P.D., gornyy inzhener.

Roller bit boring at the Dzerzhinsk mine. Gor. zhur. no.4:20-21 Ap '57. (MLRA 10:5)

1. Krivorozhskiy gornorudnyy institut.
(Boring machinery)

AUTHOR: Sidorenko, A.K. 132-10-4/13

TITLE: Methods to Increase Drilling Speeds of Test Holes (Puti uvelicheniya skorosti bureniya razvedochnykh skvazhin)

PERIODICAL: Razvedka i okhrana nedr, 1957, # 10, p 17-26 (USSR)

ABSTRACT: The author gives a survey of rock drilling machinery, of which there are 3 types presently in use: rotary, percussion and percussion-rotary. For the drilling of blast holes, drills with pneumatic hammers are being used, which are subdivided into 2 groups:

1. Drills with pneumatic hammers of the makes: БЭС-2м, БМК-2 ,ПБА-1, БА-100; and
2. encased face pneumatic perforators of the makes: ПШ-50м, ПШ-20м. Presently under construction is the face perforator ПВС designed by Engineers N.M. Akimenko, A.A. Pitade and A.K. Sidorenko. Best results were obtained with percussion-rotary drills when the cutting edge is rotated intermittently and held in place at the moment of striking. High work efficiency was obtained at deep drill holes, 2,000 - 3,000 m, by removing crushed material with compressed air. As the most efficient face pneumatic hammer drills are regarded high-speed, 2- or multi-cylinder machines for the drilling of rocks. Of late, Engineers

Card 1/2

Methods to Increase Drilling Speeds of Test Holes 132-10-4/13

O.B. Bobrova and D.P. Bobrov (СКББМ-МЦМ) have designed a face perforator, at which the motion mechanism is installed in the drill hole.
There are 5 tables, 5 figures, and 10 references, 8 of which are Slavic.

ASSOCIATION: Dnepropetrovsk Ore-Mining Institute (Dnepropetrovskiy gorno-rudnyy institut)

AVAILABLE: Library of Congress

Card 2/2

SIDORENKO, A.K.

Rotating vibrator rock drill. Razved. i okh. nedr 23 no.1:62-63 Ja '57. (MLRA 10:3)

1. Krivorozhskiy gornorudnyy institut.
(Rock drills)

SIDORENKO, A.K., dotsent, kand.tekhn.nauk

Theoretical and exploitation indices of mine-face pneumatic perforators for deep drilling. Sbor. nauch. trud. KGRI no.7: 227-243 '59. (MIRA 16:9)
(Rock drills--Testing)

SIDORENKO, A.K., kand.tekhn.nauk

Dust-free drilling of blast holes. Bezop.truda v prom. 3 no.4:8-10 Ap '59. (MIRA 12:6)

1. Krivorozhskiy nauchno-issledovatel'skiy institut gornorudnoy promyshlennosti.
(Boring--Safety measures)

SIDORENKO, A.K., dots., kand.tekhn.nauk

Dust-free drill bit. Bezop.truda v prom. 3 no.8:13-14 Ag '59.
(MIRA 12:11)

1. Krivorozhskiy nauchno-issledovatel'skiy gornorudnyy institut.
(Boring machinery)

SIDORENKO, A.K., dots.

Formula of the dependence of the rate of percussion drilling on the length of the cutting edge of the bits. Izv.vys.ucheb.zav.; gor.zhur. no.2:87-89 '60. (MIRA 14:5)

1. Krivorozhskiy gornorudnyy institut.
(Boring machinery)

SIDORENKO, A.K.; BENDYUKOV, P.I., red.

[Compressed wood substitutes for metal and plastics; from the experience of the Dnepropetrovsk Maintenance and Service Base for the Merchant Marine] Pressovannaia drevesina vmesto metallov i plastmass; iz opyta Dnepropetrovskoi remontno-ekspluatatsionnoi bazy flota. Dnepropetrovsk, Sovet narodnogo khoz. Dnepropetrovskogo ekon. administrativnogo raiona, 1961. 31 p. (MIRA 15:4)

(Dnepropetrovsk--Ships--Maintenance and repair)
(Wood, Compressed)

SIDORENKO, A.K., inzh.

Use of pressed wood. Sudostreonie 27 no.11:57 N '61. (MIRA 15:1)
(Wood, Compressed)
(Shipbuilding--Equipment and supplies)